

BEST AVAILABLE COPY**PATENT COOPERATION TREATY****PCT****INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

LLOYD WISE**- 4 MAR 2005****RECEIVED**

Applicant's or agent's file reference FP2466	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/SG2004/000403	International filing date (day/month/year) 9 December 2004	(Earliest) Priority Date (day/month/year) 10 December 2003
Applicant AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (See Box No. II).

3. Unity of invention is lacking (See Box No. III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 1

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SG2004/000403

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: G06T 5/40, A61B 5/055

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 DWPI, PCT, USPTO, IEEE, PubMed (threshold, binarize, histogram, frequency distribution, region of interest, roi, empirical, experimental, etc.)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Y. Xia et al, <i>Knowledge-Driven Automated Extraction of the Human Cerebral Ventricular System from MR Images</i> Information Processing in Medical Imaging, pp. 270-81, September 2003	1-19
A	J. -S. Lee et al, <i>Threshold Selection Using Estimates from Truncated Normal Distribution</i> IEEE Transactions on Systems, Man and Cybernetics, 19(2), pp 422-9, 1989	1-19
A	WO 1995/014966 A1 (ARCH DEVELOPMENT CORPORATION), 1 June 1995 the whole document	1-19
A	US 6,118,892 A (WILLIAMS), 12 September 2000 the whole document	1-19

Further documents are listed in the continuation of Box C

See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
17 February 2005

Date of mailing of the international search report

01 MAR 2005

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International application No.

PCT/SG2004/000403

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,657,362 A (GIGER et al), 12 August 1997 the whole document	1-19
A	US 5,262,945 A (DECARLI et al), 16 November 1993 the whole document	1-19
A	WO 2003/003303 A2 (COVENTRY UNIVERSITY), 9 January 2003 the whole document	1-19

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Information on patent family members

International application No.

PCT/SG2004/000403

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
WO	9514966	AU	12103/95	CA	2177477	EP	0731959
		EP	1035508	US	5452367		
US	6118892	CA	2349224	EP	1131776	WO	0032016
US	5657362	AU	51701/96	CA	2188394	EP	0757544
		JP	2004032684	WO	9625879		
US	5262945	NONE					
WO	03003303	CA	2468456	EP	1399888	US	2004258305

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX